

END CAP ASSEMBLY FOR A SWITCHED RELUCTANCE ELECTRIC MACHINE

ABSTRACT OF THE DISCLOSURE

A winding end cap assembly for an electric machine with a stator and stator poles includes first and second end caps that are connected to opposite axial end surfaces of one of the stator poles. First and second inner winding retainer sections extend axially to connect an inner end of the first end cap to an inner end of the second end cap. The first and second end caps include an outer section, an inner section and a hub section that connects the outer section to the inner section. The first and second end caps and the first and second inner winding retainer sections define a continuous annular channel that receives and retains winding wire. First and second outer retainer sections connect the first and second end caps adjacent to the outer sections or the hub sections of the first and second end caps.